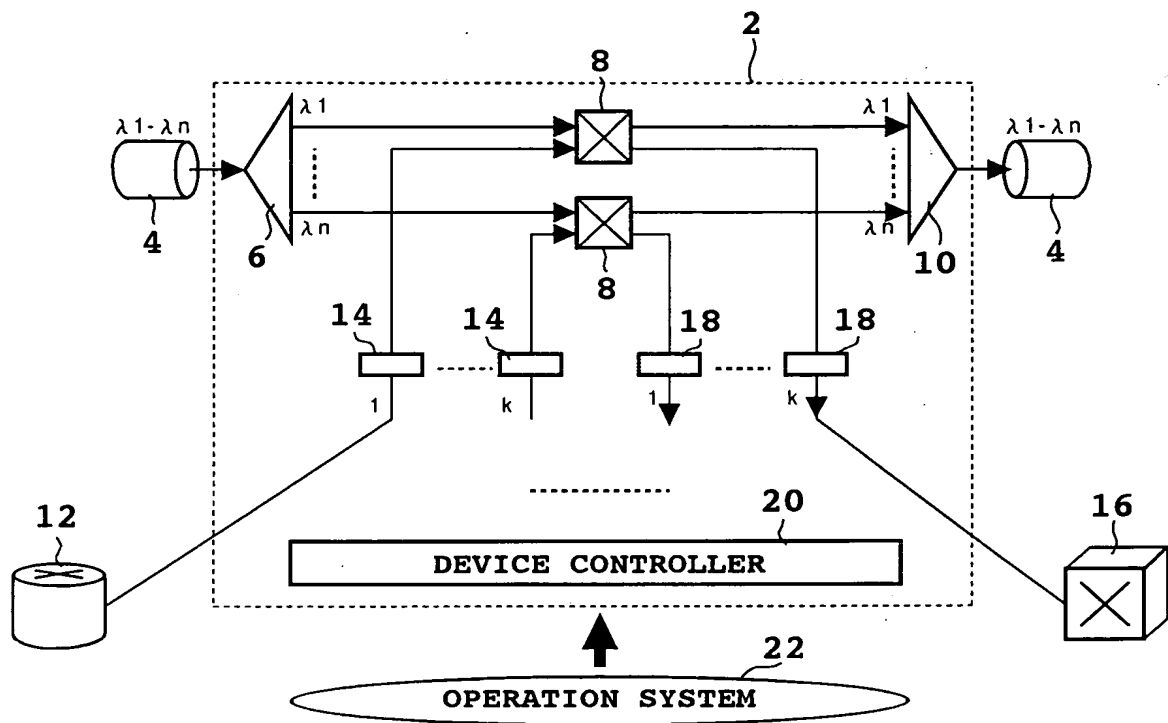
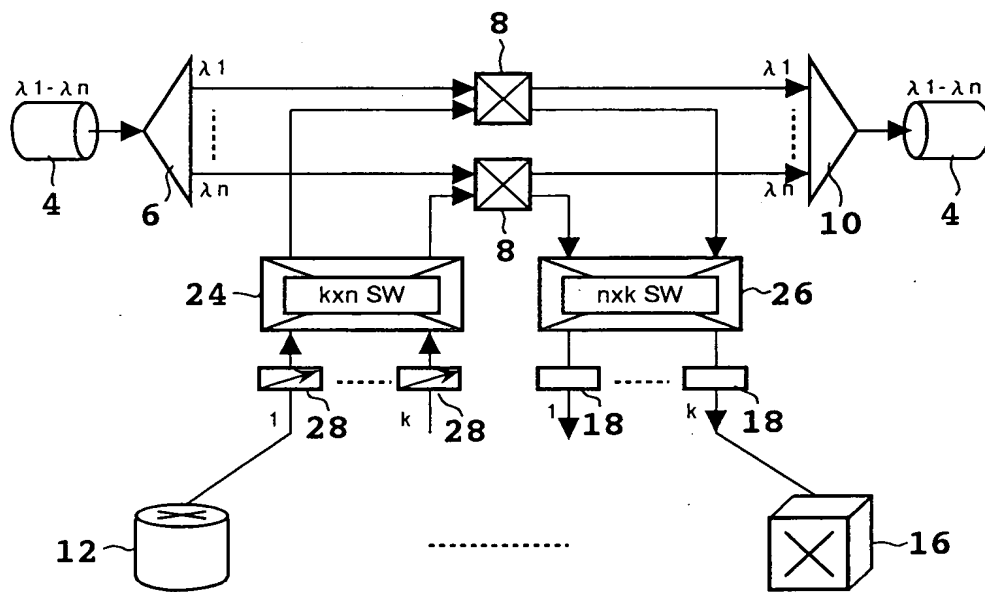


**FIG.1**  
**PRIOR ART**



# FIG.2

## PRIOR ART



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FIG. 3A  
PRIOR ART

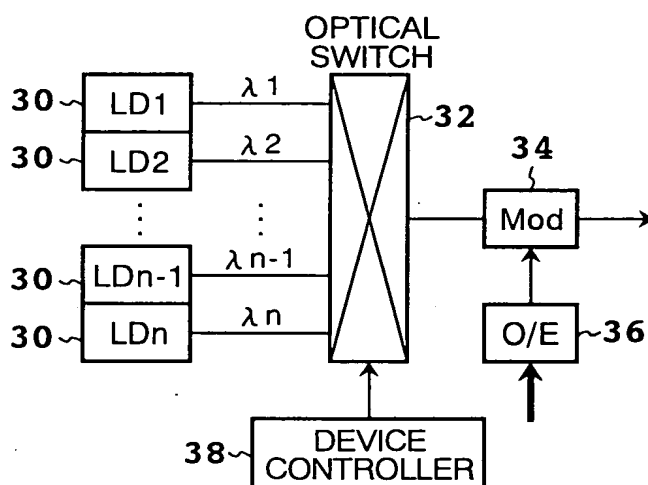
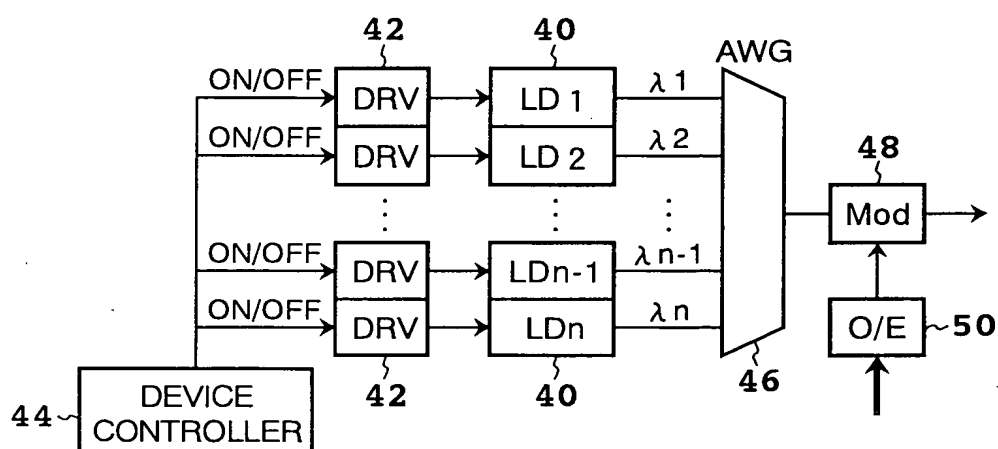
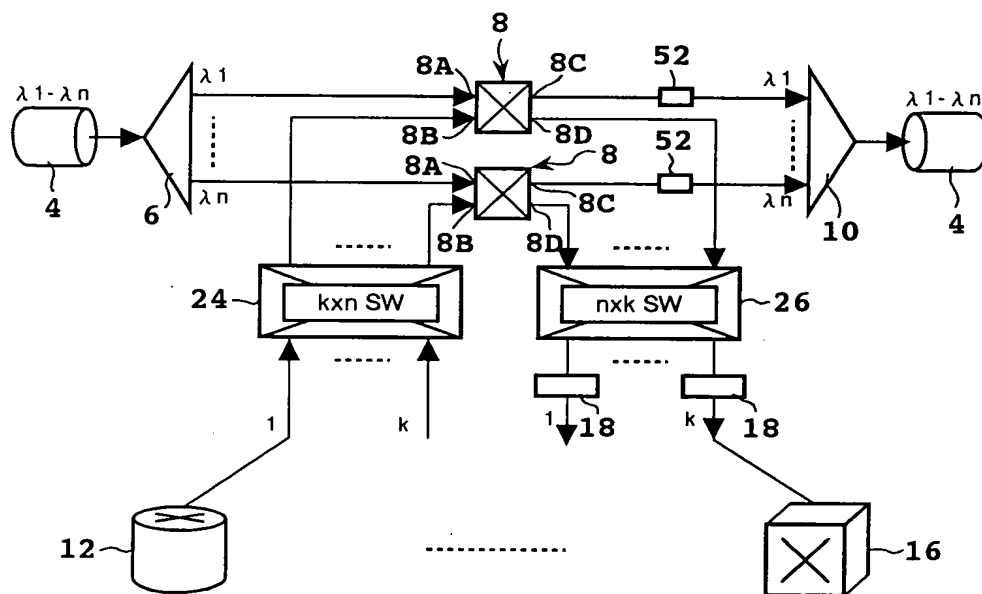


FIG. 3B  
PRIOR ART





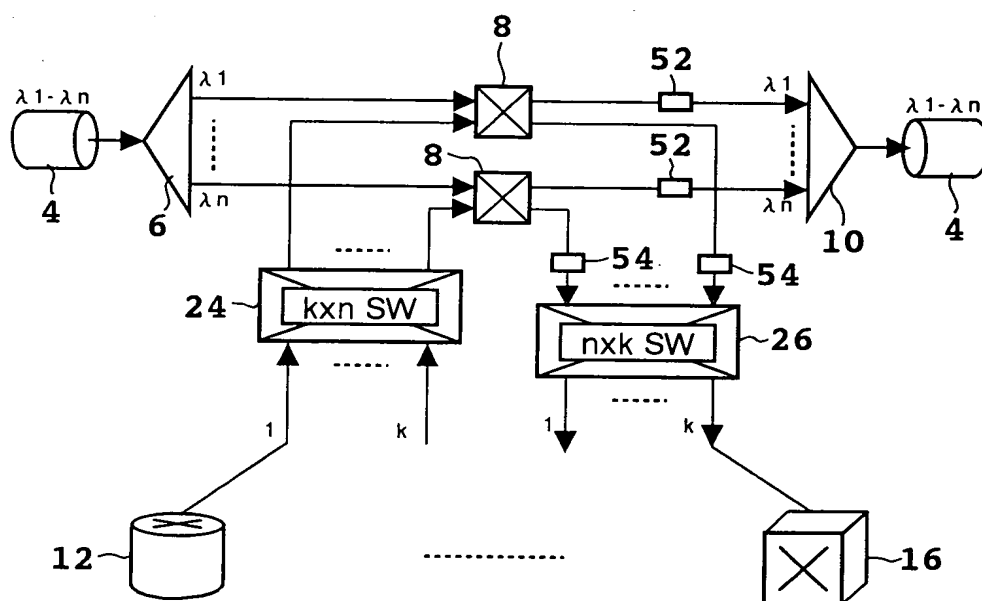
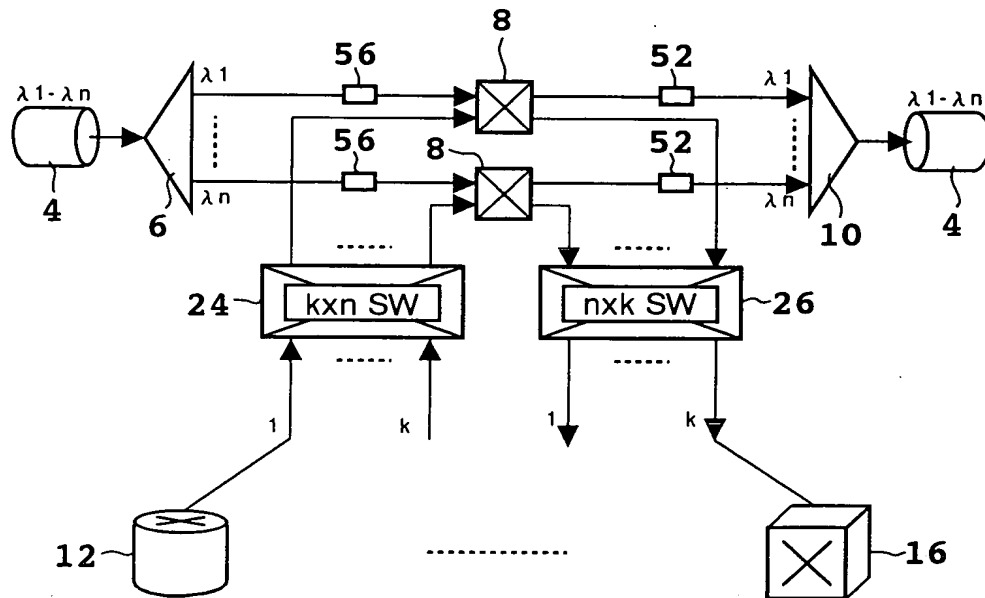


FIG.6



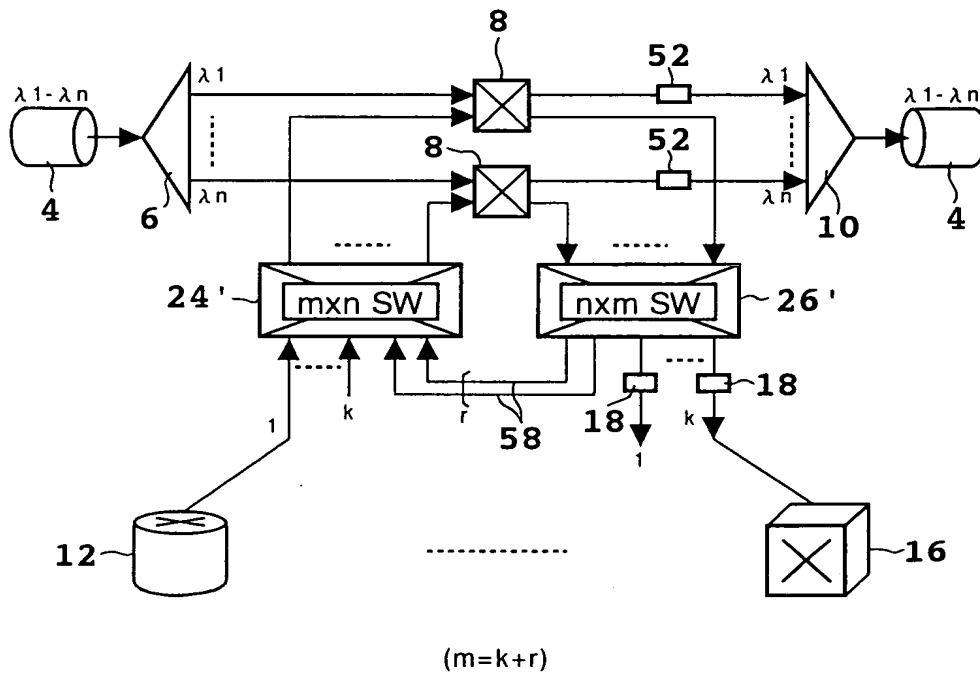
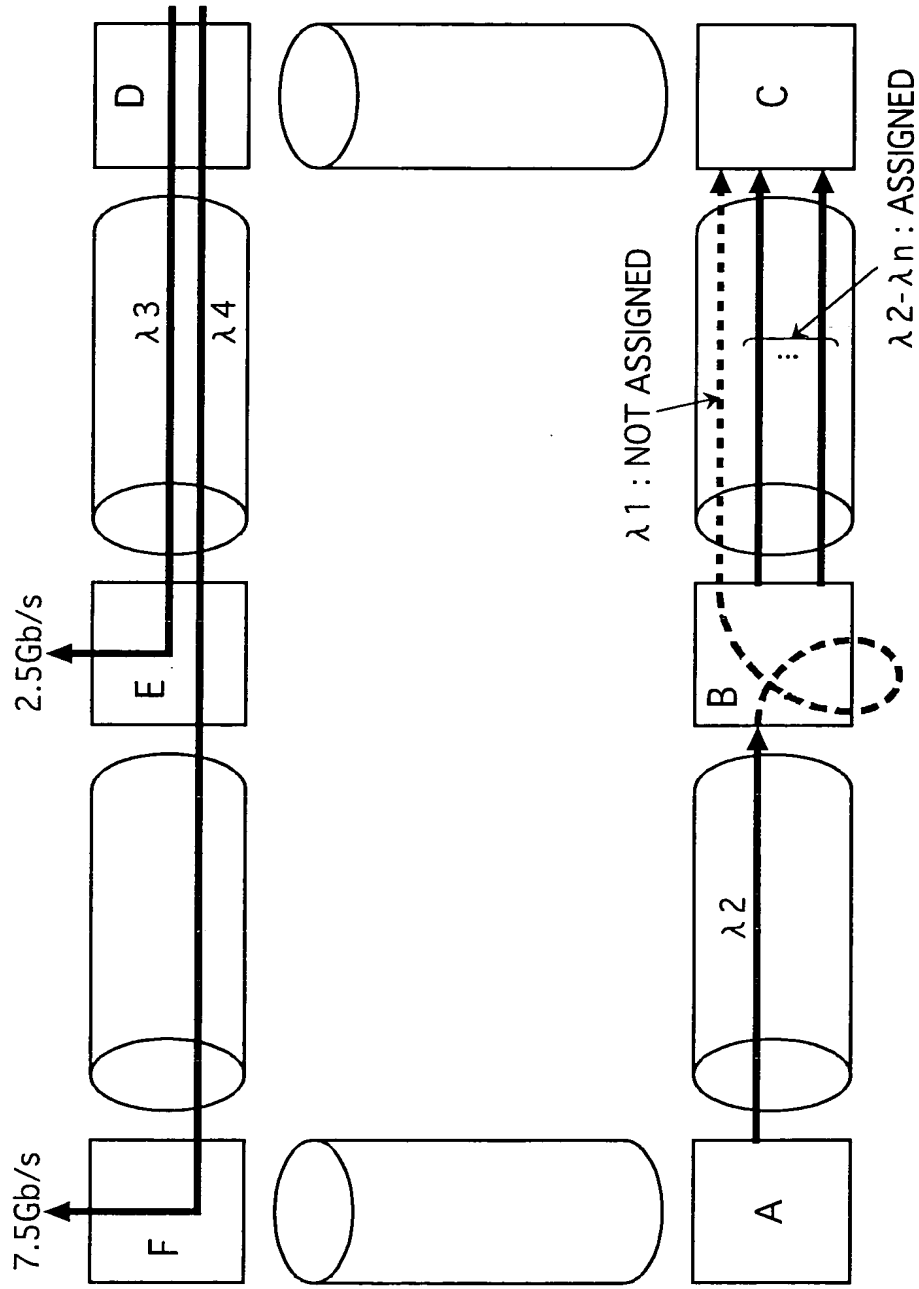


FIG.8





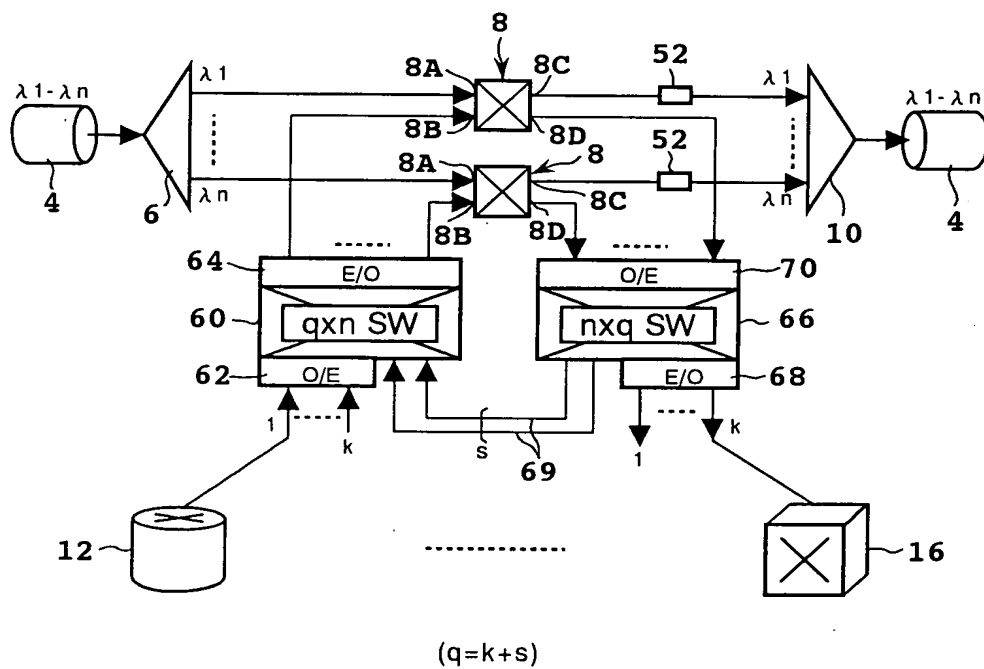
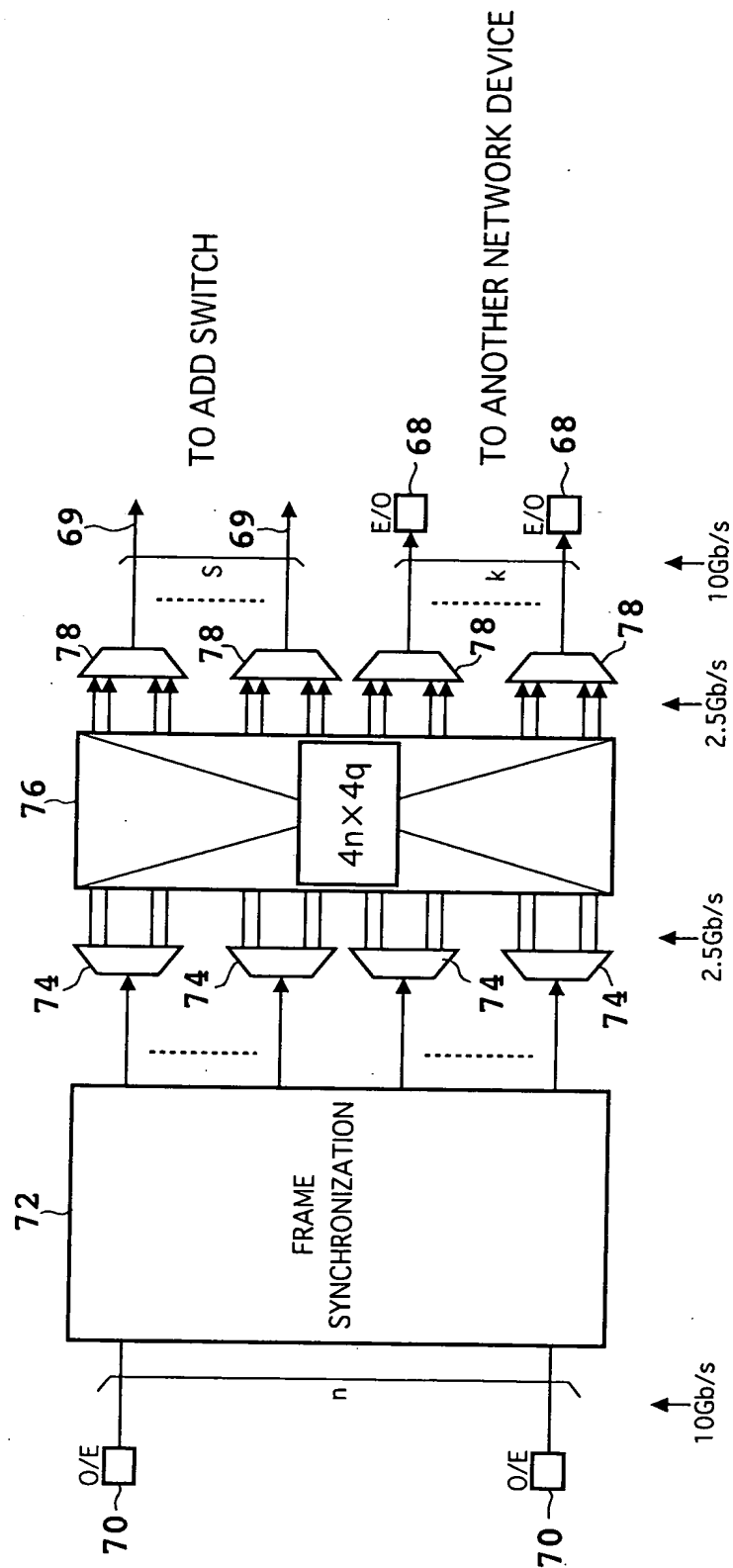
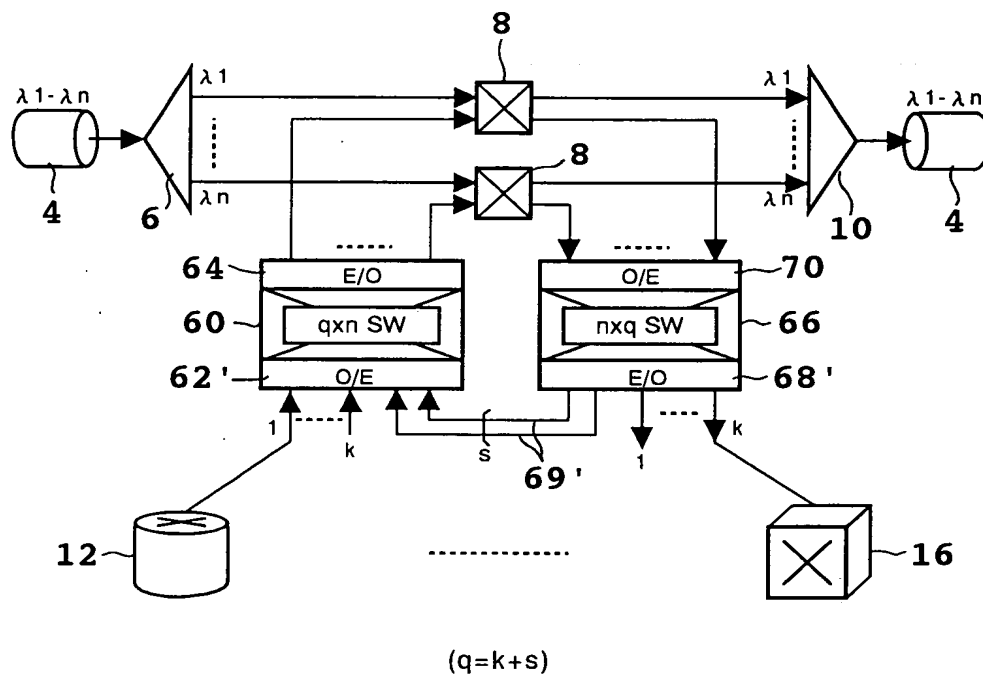
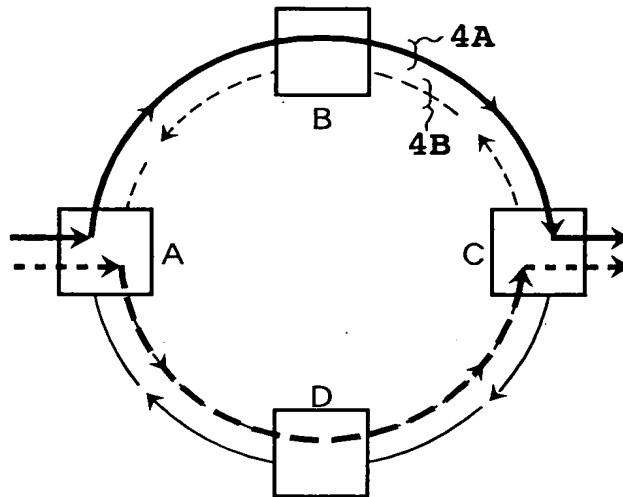


FIG. 10

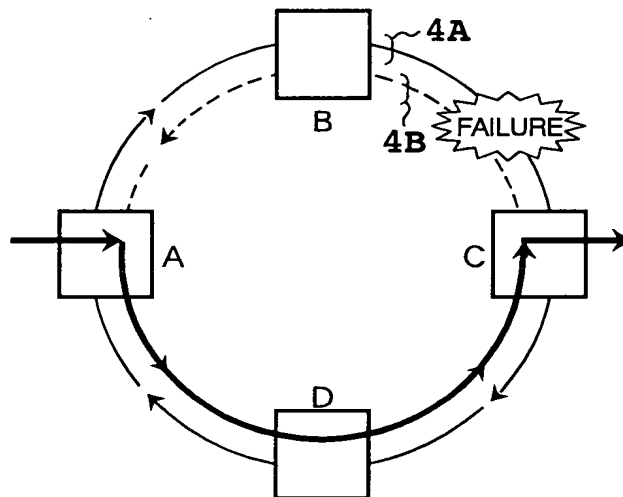




# FIG.12A



# FIG.12B



———> :MAIN FIBER      ———> :MAIN TRAFFIC  
 ----> :STANDBY FIBER    ----> :LOW-PRIORITY TRAFFIC

FIG. 13

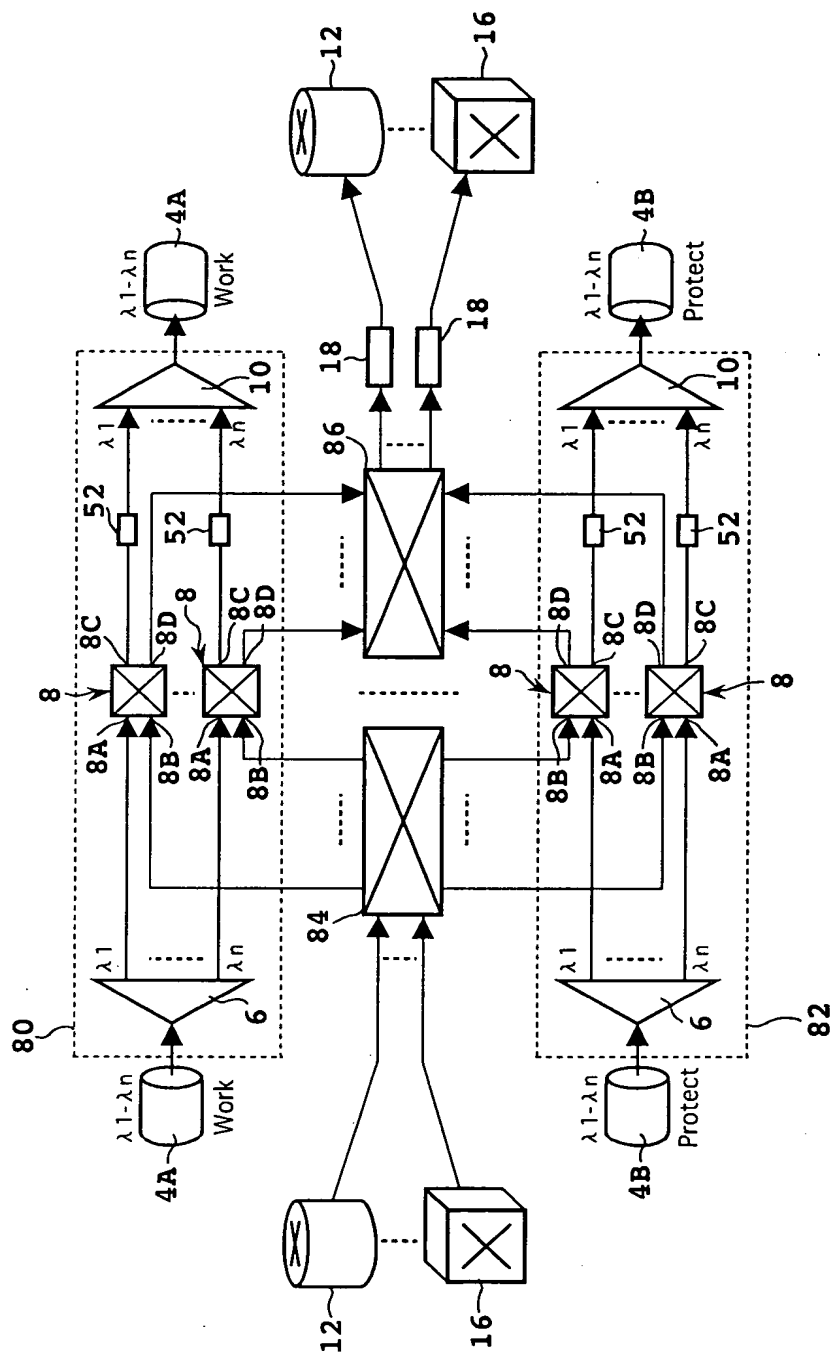


FIG. 14A

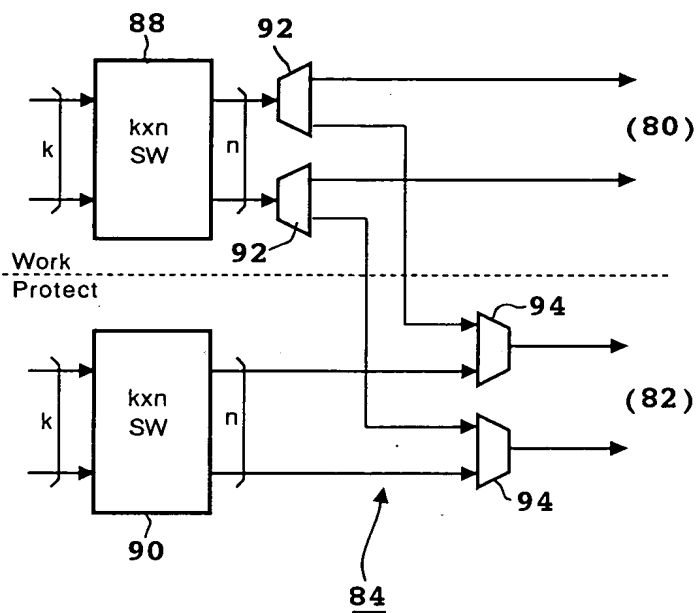
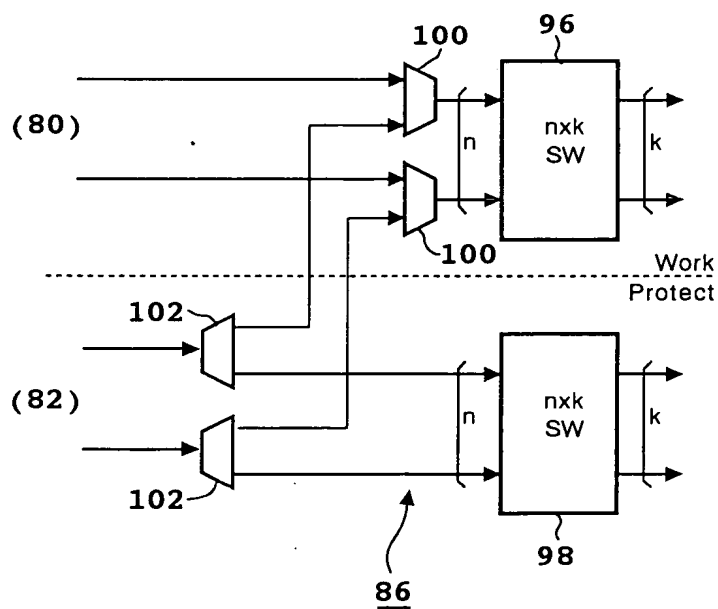


FIG. 14B



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FIG.15A

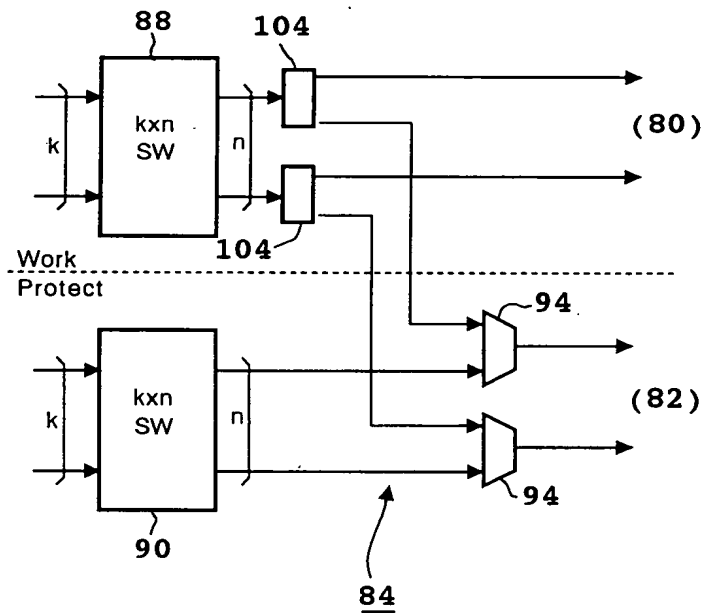
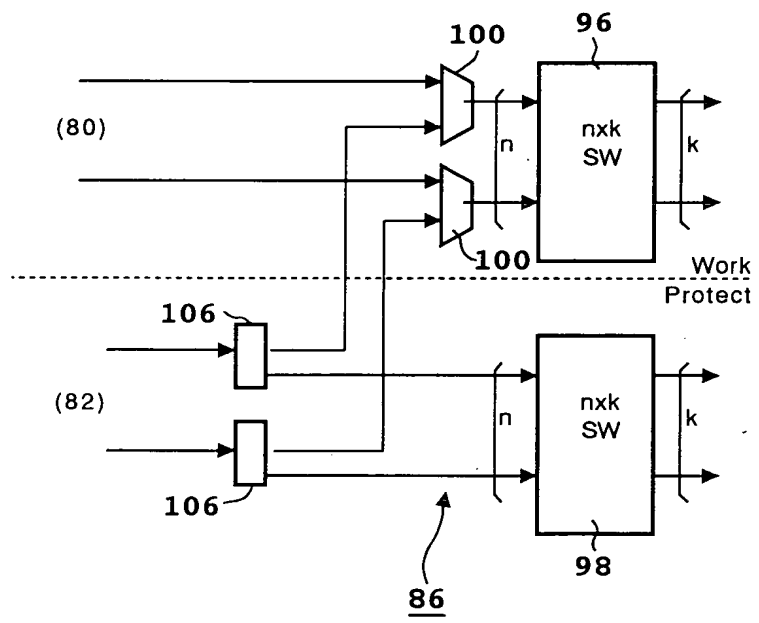
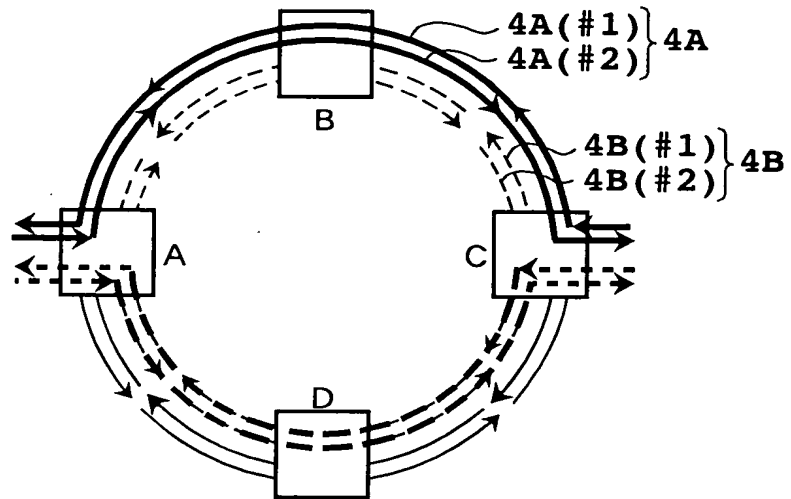


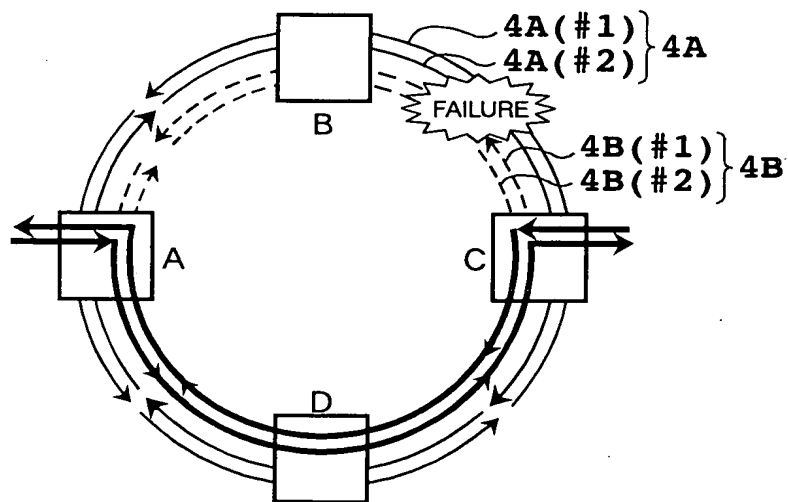
FIG.15B



# FIG.16A



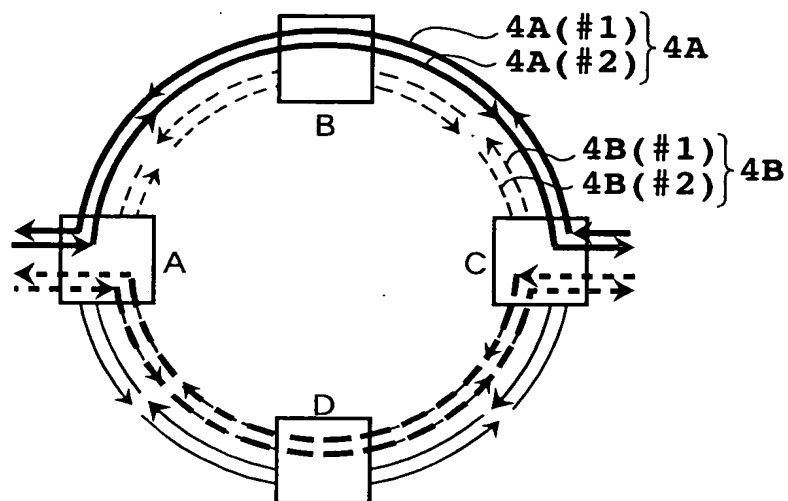
# FIG.16B



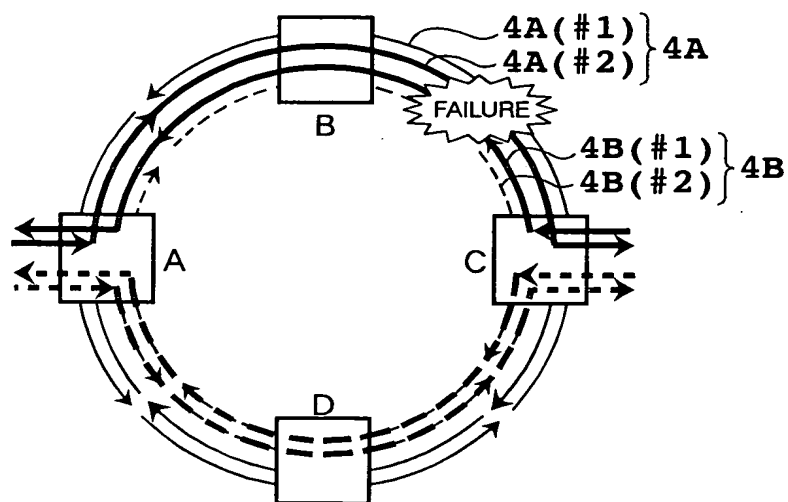
———> :MAIN FIBER      ———> :MAIN TRAFFIC  
 ----> :STANDBY FIBER    ----> :LOW-PRIORITY TRAFFIC



# FIG.17A



# FIG.17B



———> :MAIN FIBER      ———> :MAIN TRAFFIC  
 - - - -> :STANDBY FIBER    - - - -> :LOW-PRIORITY TRAFFIC

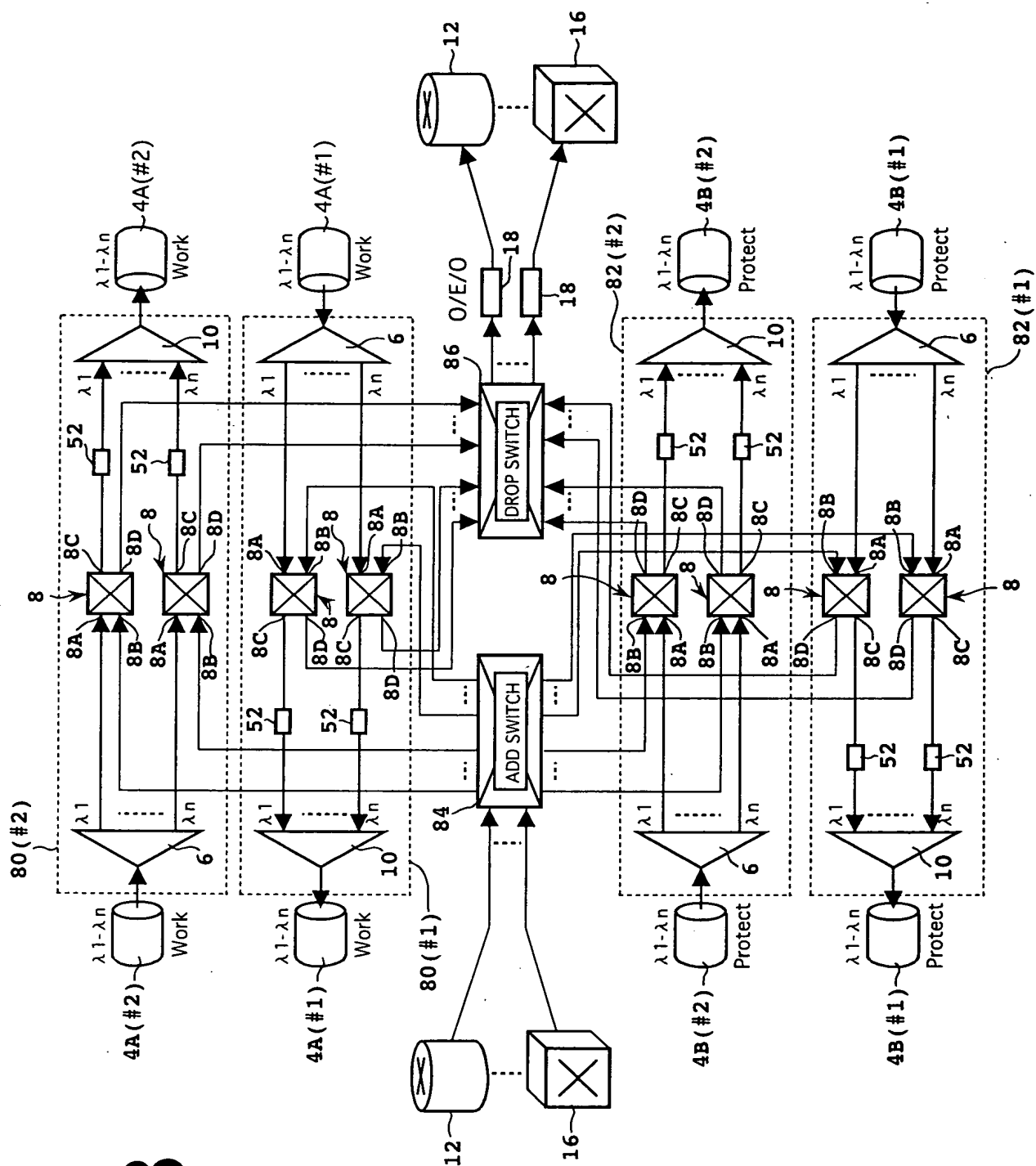


FIG.19A

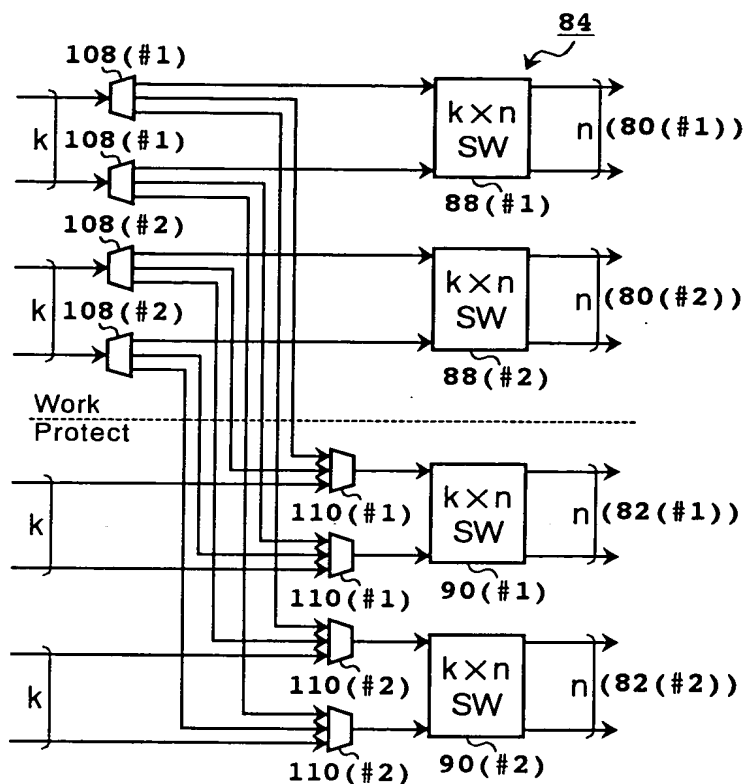


FIG.19B

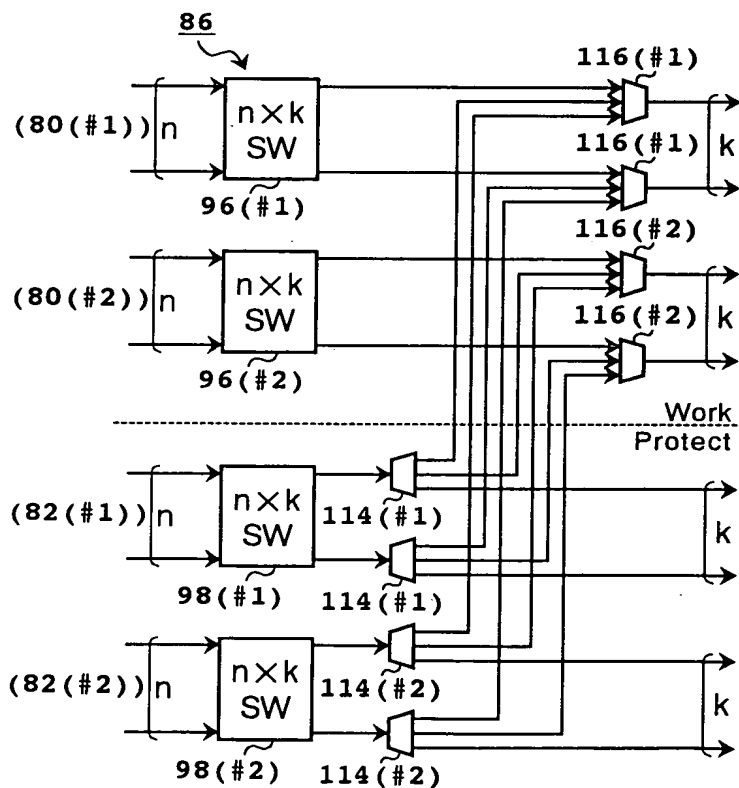


FIG.20A

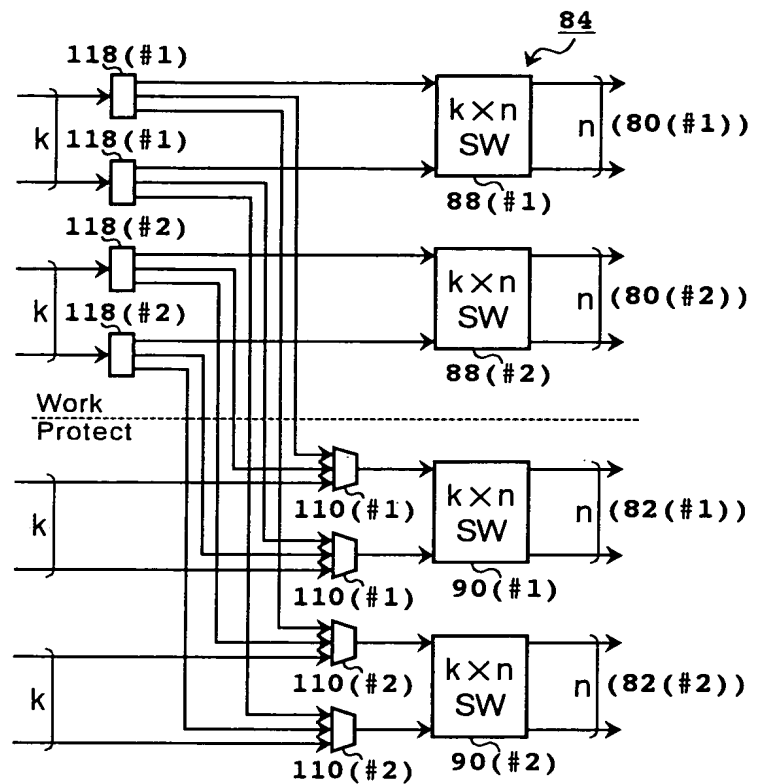


FIG.20B

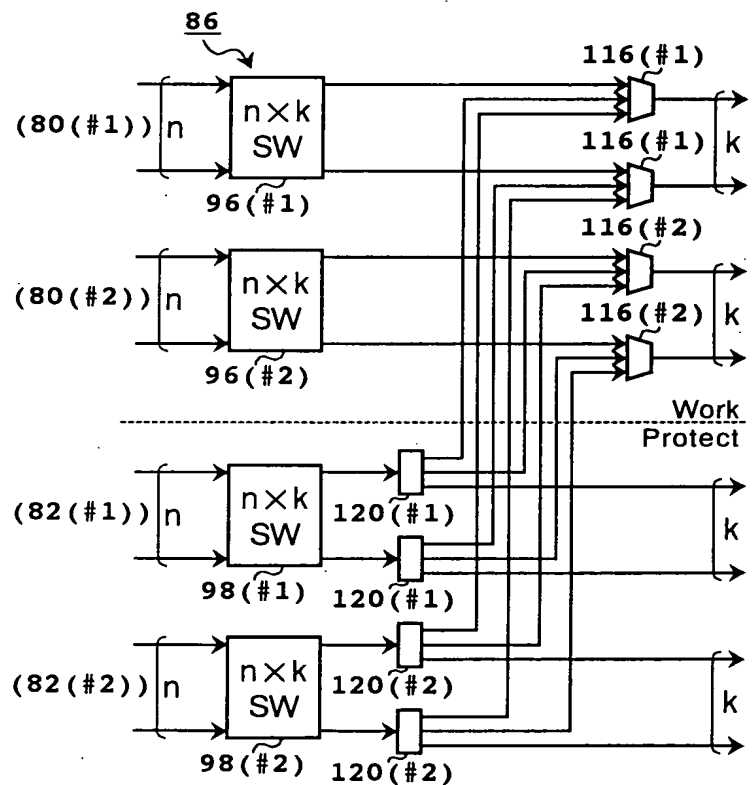


FIG.21A

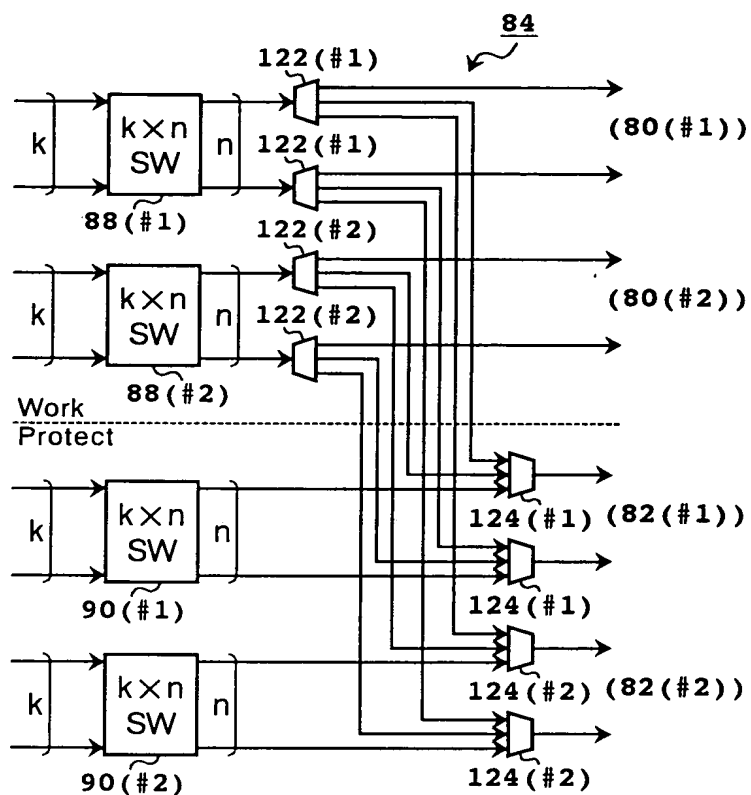


FIG.21B

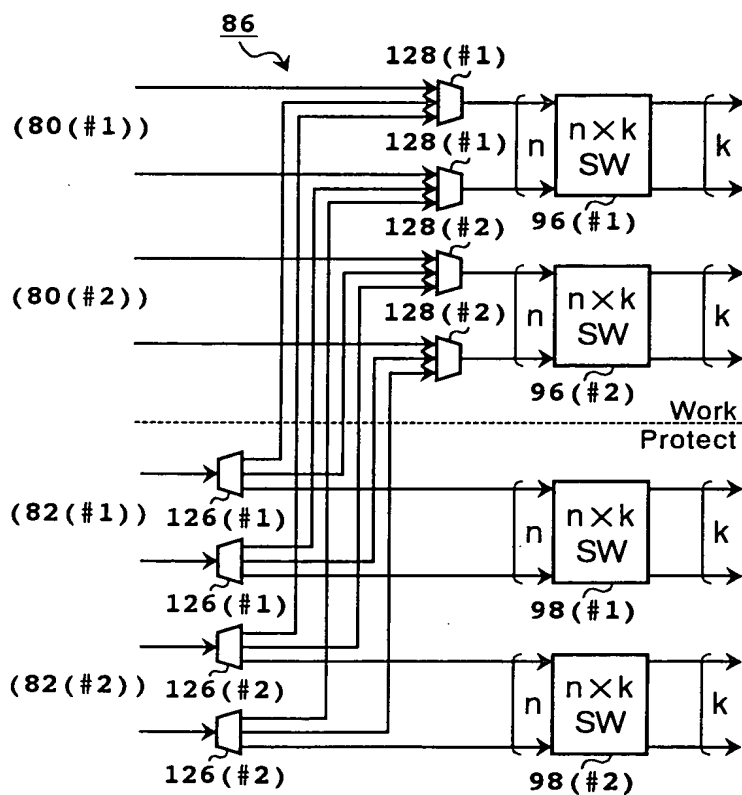


FIG.22A

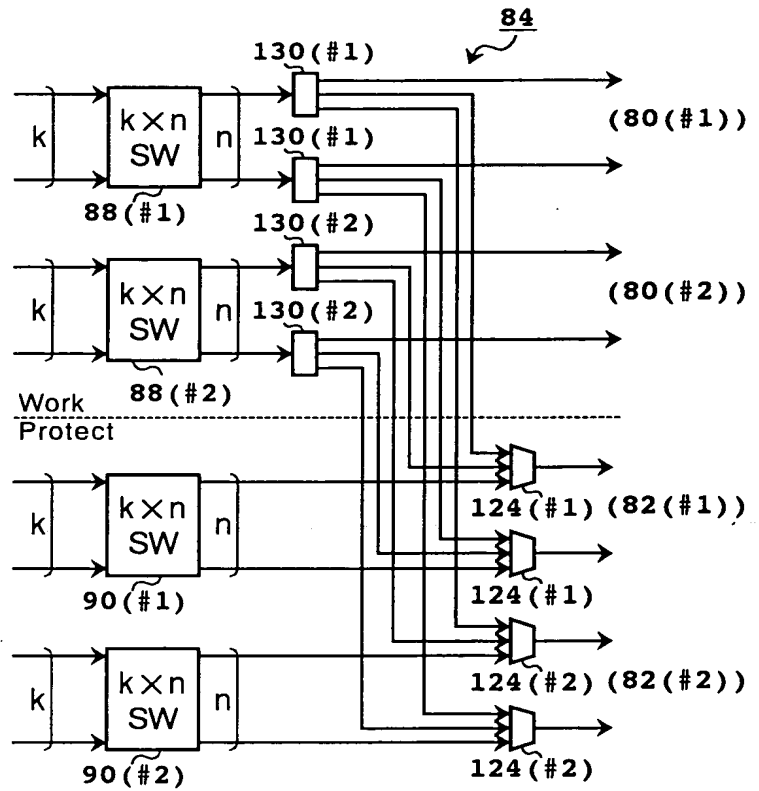


FIG.22B

